

Title:

The anabelian geometry of Grothendieck.

Abstract:

In the 1980's, soon after Gerd Faltings proved the Mordell conjecture; along with the Tate and Shafarevich conjectures, Grothendieck addressed him with a famous letter in which he outlined his vision and programme of what is nowadays known as anabelian geometry. In my talk I will explain the essence of the anabelian geometry of Grothendieck and outline some of the major advances in this theory in recent decades.